

Summary— Combined-Cycle Plants

500 MW Combined-Cycle Plant				
Items for comparison	Cooling System			
	Once-through	Wet tower	Dry cooling	Hybrid
Plant Cost				
Capital, \$	198,800,000	201,200,000	223,700,000	Variable
Normalized Capital Cost, \$/kW	405.7	410.6	456.5	Variable
Performance				
Cooling System Power, kW	2,075	2,720	2,980	Variable
Design Heat Rate, Btu/kWh	6,549	6,573	6,596	Close to dry
Hot day Capacity Loss, MW	Base	2.7	26.1	Close to wet
Water				
Water taken in, gpm	132,410	2,290	0 (for cooling)	20 - 30% of wet
Water consumed, gpm	<i>De minimis ??</i>	2,048	0 (for cooling)	"